



1D & 2D



Bluetooth  
4.1



1.5m  
drop



CMOS



LED  
aimer



USB



Warranty  
2 Years



**BS10R Sepia II**  
Handheld Scanners

## Features

### Scan hands-free.

The BS10R Sepia II is capable of reading a wide range of 1D and 2D barcodes with outstanding performance. With a 360° turning radius, it was designed to fit comfortably on your left or right hand without getting in the way of daily tasks, like carrying boxes. Its trigger button is positioned to be easy to operate with one hand and a built-in buzzer and LED give instant feedback on each scan.

### Convenient communication.

With the click of a button, the BS10R Sepia II pairs to your preferred device via Bluetooth 4.1 wireless technology. Whether your system runs on Windows, Android or iOS and whether you use a tablet, a smartphone, a computer or another Newland device, connecting the ring scanner is always easy. It provides freedom of movement up to 30 meters from the host and can be used in USB HID Keyboard and SPP connection modes.

### Large storage capacity.

Not all operations require instant feedback from a connected device, or allow you to carry such a device with you. For those situations, the BS10R Sepia II is equipped with 16MB of storage, which holds the data of up to 50k barcodes until you are able to move it to your system of choice.

### Full-shift battery life.

The BS10R Sepia II battery comfortably lasts a minimum of 8 hours, even when your operations require a constant Bluetooth connection and intensive scanning. In standby mode, the device will last an impressive 30 days.

### Small but strong.

Built to withstand 1.5 meter drops to concrete and bumps on metal surfaces, the BS10R Sepia II is reliable, even in semi-rough operational environments.

## Suggested industries



Events



Industrial



Logistics



Retail



Warehousing

# BS10R Sepia II Technical specifications

## Performance

Image Sensor	640x480 CMOS
Memory RAM	16MB
Illumination	White LED
Aiming	Red LED (650 nm±10 nm)
Depth of Field Code 39 (5mil)	40mm - 150mm
Depth of Field QR (15mil)	30mm - 170mm
Scan Rate	60 fps

## Data Capture

1D	All major 1D symbologies, including Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, Code 93, UCC/EAN-128, GS1 Databar Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, Plessey, MSI-Plessey.
2D	All major 2D symbologies, including PDF417, Data Matrix (ECC200,ECC000,050,080,100,140), QR Code, Aztec

## Physical

Interfaces	USB
Battery Type	380mA rechargeable Li-ion battery
Expected Battery Life	More than 8 hours under normal temperature (5 seconds/scan)
Expected Charge Time	<2 hours
Notifications	LED light, Buzzer, Vibration (Optional)
Input Voltage	5V/1A
Current @ 5VDC Operating	198 mA
Current @ 5VDC Standby	30 mA
Power Supply Input	AC110 ~ 220V, 50~60Hz
Power Supply Output	DC 5V 1A

## Environmental

Operating Temperature	0°C to 40°C
Storage Temperature	-40°C to 60°C
Humidity	5% to 95%
Electro Static Discharge (ESD)	In line with 15KV air discharge and 8KV contact discharge requirements
Drop	1.5m

## Wireless

WPAN RADIO	Bluetooth 4.1
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## Warranty

Standard	2 years
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Specifications are subject to change without notice

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